Т₿

## Customer No. 26874 PATENT TRADEMARK OFFICE

Substitute for Form PTO 1449 Complete if Known INFORMATION DISCLOSURE STATEMENT BY APPLICANT Application No. 10-811,788 **Filing Date** March 29, 788 (use as many sheets as necessary) First Named Inventor Michael E. Rivir **Art Unit Examiner Name** Sheet of 11 Attorney Docket No. 4499 (C2) **U.S. PATENT DOCUMENTS** Pages, Columns, Lines, Where **DOCUMENT NUMBER** Examiner Cite Publication Date Name of Patentee or Relevant Passages or Relevant Number-Kind code<sup>2</sup> (if known) MM-DD-YYYY Applicant of Cited Document initials Figures Appear No. US-2,092,201 09-1937 Boesger 03-1941 Moreland US-2,235,324 US-2,246,497 06-1941 Beck 09-1941 US-2,254,448 Pursel US-2,421,753 06-1947 Joyce US-2,640,629 06-1953 Thomson et al. 08-1963 US-3,101,853 Long US-3,110,983 11-1968 Moore **FOREIGN PATENT DOCUMENTS** Examiner Cite Foreign Patent Document initials No. Name of Patentee or Pages, Columns, Lines, Country Code<sup>3</sup>-Number<sup>4</sup>-Kind code<sup>5</sup> **Publication Date** Where Relevant Passages Applicant of Cited T<sup>6</sup> (if known) MM-DD-YYYY Document or Relevant Figures Appear FR 547153 12-02-1922 DE 609842 01-1935 03-1954 FR 1060192 06-1986 DE 344564 EP 194121 09-1986 WO 86/0088 02-1986 OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS Examiner Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book,

EXAMINER SIGNATURE	/David B.	Thomas/	DATE CONSIDERED	01/18/2008
EXAMINER: Initial if reference	e considered,	whether or not citat	tion is in conformance with MPEP 6	09; Draw line through citation if not in
conformance and not conside	ered. Include	copy of this form wit	th next communication to applicant.	

initials

Nο

magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and-or

country where published

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter office that issued the document, by the two-letter code (WIPO Standard ST. 3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Substitute f	or Form PTC	1449			
			CLOSURE	Comple	te if Known
				Application No.	10/811,788
luca	as many she	ante ac	necessari	Filing Date	March 29, 2004
(850	as many sne	cis as	riecessary)	First Named Inventor	Michael E. Rivir
				Art Unit	
				Examiner Name	
Sheet	2	of	11	Attorney Docket No.	4499 (C2)

		U.S	. PATENT DOCU	MENTS						
Examiner initials	Cite No.	DOCUMENT NUMBER  Number-Kind code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, W Relevant Passages or Rel Figures Appear					
		US- 3,130,879	04-1964	Messing						
		US- 3,137,101	06-1964	Leliaert						
		US- 3,151,784	10-1964	Tailor						
		US- 3,160,993	12-1964	McCormick						
		US- 3,219,393	11-1965	Starrett						
		US- 3,245,590	04-1966	Hawkins						
		US- 3,257,040	06-1966	Dumbaugh et al.						
		US- 3,272,396	09-1966	Neville						
•		FORE	IGN PATENT DO	CUMENTS						
Examiner initials	Cite No.	Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> -Kind code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Т <sup>6</sup>				
		EP 268449	05-1988	Document	or relevant rigures Appear	T.				
		WO 90/0139	02-1990							
		EP 786311	07-30-1997							
		FR 435329	02-2001							
100000000000	*55566600000000000000000000000000000000	27 5000000000000000000000000000000000000								
			000000000000000000000000000000000000000	\$2,500,500,000,000,000,000,000,000,000,00	55000000000000000000000000000000000000					
		OTHER PRIOR ART -	NON PATENT I	TERATURE DOCUMEN	TS					
Examiner initials	Cite No.	OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS  Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and-or country where published								
1000055000	***************************************	50-00000000000000000000000000000000000								
		20000000000000000000000000000000000000	9959500095500099550009950009950009950009	\$125000000000000000000000000000000000000						
		<u> </u>			000000000000000000000000000000000000000					

EXAMINER SIGNATURE _	/David B.	Thomas/	DATE CONSIDERED	01/18/2008	
<b>EXAMINER:</b> Initial if referer	ce considered,	whether or I	not citation is in conformance with MPE	P 609; Draw line through	n citation if not in
conformance and not consider	dered Include	conv of this t	form with next communication to applica	ant.	

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute f	or Form PTC	1449			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complet	te if Known
				Application No.	10/811,788
luse	as many she	ete se	necessary	Filing Date	March 29, 2004
(430	as many sne	cis as	necessary	First Named Inventor	Michael E. Rivir
				Art Unit	
				Examiner Name	
Sheet	3	of	11	Attorney Docket No.	4499 (C2)

			U.S. PATENT DOCU	IMENTS						
Examiner Cite		DOCUMENT NUMBER	Publication Date	Name of Patentee or	Pages, Columns, Lines, Whe Relevant Passages or Releva					
initials	No.	Number-Kind code <sup>2</sup> (if known) US- 3,324,605	MM-DD-YYYY	Applicant of Cited Document	Figures Appear					
		<del></del>	06-1967	Lester	· · · · · · · · · · · · · · · · · · ·					
		US- 3,407,972 US- 3,422,580	10-1968	Cymbalisty Balz	<u> </u>					
		<u> </u>	01-01-1969							
		US- 3,485,074	12-1969	Compton	<del> </del>					
		US- 3,556.355	01-1971	Ruiz						
		US- 3,633,797	01-1972	Graff						
		US- 3,676,963	07-1972	Rice et al.						
		US- 3,700,850	10-1972	Lumley et al.						
		FO	REIGN PATENT DO	CUMENTS						
	Cite No.	Foreign Patent Document	5	Name of Patentee or	Pages, Columns, Lines,					
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind code (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>				
2550003300x	58600 <u>51000556</u> 005600	90,0003000500000000000000000000000000000								
			955003550 8300035009500955003500 <u>030009500950095500</u>	000000000000000000000000000000000000000						
					***************************************					
		<u> </u>		<u></u>						
		OTHER PRIOR AR	T - NON PATENT L	ITERATURE DOCUMEN	TS					
Examiner initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and-or country where published								
000055000	OSSISSES CONTRACTOR	95/2000000000000000000000000000000000000	-							
			5000GER880000GER88000GER88000GER88000GER88000GER88000GER	3300003330000333000033300000330000003330000						
		<del> </del>			60000000000000000000000000000000000000					

	/David B. Thomas/		01/18/2008
EXAMINER SIGNATURE _		DATE CONSIDERED	
<b>EXAMINER:</b> Initial if refere	nce considered, whether or not citati	ion is in conformance with MPEP 6	609; Draw line through citation if not in
conformance and not consi	idered. Include copy of this form with	h next communication to applicant.	

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute fo	or Form PTO	1449			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complet	te if Known
				Application No.	10/811,788
luse	as many she	ete ae	necessary)	Filing Date	March 29, 2004
"	as many sno	010 03	necessary)	First Named Inventor	Michael E. Rivir
				Art Unit	
				Examiner Name	
Sheet	4	of	11	Attorney Docket No.	4499 (C2)

			U.S. PATENT DOCU	MENTS		
Examiner initials	Cite No.	DOCUMENT NUMBER  Number-Kind code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, W Relevant Passages or Rele Figures Appear	
		US- 3,702,513	11-1972	Rice et al.		
		US- 3,768,210	10-1993	Johnson et al.		
		US- 3,986,391	10-1976	Vahaviolos		
		US- 4,031,032	06-1977	Jablecki		
		US- 4,038,786	08-1977	Fong		
		US- 4,058,986	11-1977	Granholm		
		US- 4,067,150	01-1978	Merrigan		
		US- 4,075,579	02-1978	Hunger, Jr. et al.		
		FC	DREIGN PATENT DO	CUMENTS		
Examiner initials	Cite No.	Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines,	
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind cod (if known)	e <sup>5</sup> Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
1005/9005590055	900 <u>70000</u>	956000000000000000000000000000000000000				
			100000000			
			00000000000000000000000000000000000000	W00000000000		
					500000000000000000000000000000000000000	
						80009
						L
<b></b>	0:4-	OTHER PRIOR AF	RT - NON PATENT LI	TERATURE DOCUMEN	IS	, -
Examiner initials	Cite No.		symposium, catalog, etc.), c	of the article (when appropriate date, page(s), volume-issue nun where published		T⁵
0000000000000000	000000000000000000000000000000000000000					
		90-500000000000000000000000000000000000	000000000000000000000000000000000000000	·		
		-		***************************************	9950000999000099000099900000	
					***************************************	9

	/David B. Thomas/		01/18/2008
EXAMINER SIGNATURE _		DATE CONSIDERED	01/10/2000
<b>EXAMINER:</b> Initial if referer	nce considered, whether or not citati	on is in conformance with MPEP 609	; Draw line through citation if not in
conformance and not consider	dered. Include copy of this form with	h next communication to applicant.	

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute t	or Form PTC	1449			
INFORMATION DISCLOSURE Comple STATEMENT BY APPLICANT				te if Known	
				Application No.	10/811,788
luse	as many she	ete se	necessaryl	Filing Date	March 29, 2004
(830	do many one	olo do	necessary)	First Named Inventor	Michael E. Rivir
				Art Unit	
		_		Examiner Name	
Sheet	5	of	11	Attorney Docket No.	4499 (C2)

		U.S	S. PATENT DOCU	MENTS						
Examiner initials	Cite No.	DOCUMENT NUMBER  Number-Kind code <sup>2</sup> (if known)	Publication Date Name of Patentee or MM-DD-YYYY Applicant of Cited Document		Pages, Columns, Lines, W Relevant Passages or Rel Figures Appear					
		US- 4,094,448	06-1978	Haseler et al.						
		US- 4,180,188	12-1979	Aonuma et al.						
		US- 4,249,956	02-1981	Hartman						
		US- 4,372,338	02-1983	Eferson		-				
		US- 4,389,820	06-1983	Fong et al.						
	-	US- 4,398,961	08-1983	Mason						
		US- 4,419,562	12-1983	Jon et al.						
		US- 4,450,568	05-1984	Asmus						
		FORE	IGN PATENT DO	CUMENTS						
Examiner initials	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or	Pages, Columns, Lines,					
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind code <sup>5</sup> (if known)		Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>				
Minora de la compansión	OODSCOORSOONS	000000000000000000000000000000000000000								
			<del>                                     </del>			-				
			250001500150000000000000000000000000000			-				
				0.0000000000000000000000000000000000000						
					9800880008000800080008000	<del> </del>				
	<u> </u>		1			L				
	<u></u>	OTHER PRIOR ART -	NON PATENT L	TERATURE DOCUMEN	TS					
Examiner initials	Cite No.		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published							
00057850000000	0000			•						
		PR-00035000000000000000000000000000000000	10000KBA-0							
			000000000000000000000000000000000000000	550005985000578600598500095786007888600957800000		ļ				
					000000000000000000000000000000000000000					

EXAMINER SIGNATURE	/David B. Thomas/	DATE CONSIDERED	01/18/2008
	e considered, whether or not citat		09; Draw line through citation if not in
conformance and not conside	red. Include copy of this form with	h next communication to applicant.	

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute fo	or Form PTO	1449			
		_	CLOSURE PPLICANT	Complet	e if Known
				Application No.	10/811,788
luse	as many shee	ate ae	necessary)	Filing Date	March 29, 2004
(430)	as many snee	no ao	necessary	First Named Inventor	Michael E. Rivir
				Art Unit	
				Examiner Name	
Sheet	6	of	11	Attorney Docket No.	4499 (C2)

			U.S. PATENT DOCU	MENTS				
Examiner initials	Cite No.	DOCUMENT NUMBER  Number-Kind code <sup>2</sup> (if know)	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, W Relevant Passages or Rele Figures Appear			
		US- 4,491,484	01-1985	Williams	J. S.			
		US- 4,491,562	12-1983	Jon et al				
		US- 4,504,727	03-1985	Melcher et al.				
		US- 4,536,121	08-1985	Stewart et al.		_		
		US- 4,543,486	09-1985	Rose				
		US- 4,588,885	05-1986	Lovoi et al.				
		US- 4,617,064	10-1986	Moore				
		US- 4,627,197	12-1986	Klee et al.				
		F	OREIGN PATENT DO	CUMENTS				
Examiner initials	Cite No.	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind co		Name of Patentee or Applicant of Cited	Pages, Columns, Lines, Where Relevant Passages			
		(if known)	MM-DD-YYYY	Document	or Relevant Figures Appear	T <sup>6</sup>		
AND DESCRIPTIONS	20002500000000000000000000000000000000	60000000						
						ļ		
			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					
				900980955098009809880988099998809980980980980				
					9500030003300330033003300330033000300000vv			
		<u> </u>						
		OTHER PRIOR A	RT - NON PATENT L	TERATURE DOCUMEN	TS			
Examiner initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published						
10001500000000	*****************	45000000000000000000000000000000000000						
		200000000000000000000000000000000000000	9444500044460004460004460004460004466000446600	2/28/000/28/8/00008/8/00008/8/200009/P				
				**************************************	000188000001880000000000000000000000000			

EXAMINER SIGNATURE	/David B. Thomas/	DATE CONSIDERED	01/18/2008
	ce considered, whether or not citati		609; Draw line through citation if not i
conformance and not consider	ered. Include copy of this form with	h next communication to applicant	

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute f	or Form PTC	1449			
l.			CLOSURE PPLICANT	Complet	te if Known
				Application No.	10/811,788
luse	as many she	eets as	necessary)	Filing Date	March 29, 2004
(000	(use as many sheets as necessary)	necessary)	First Named Inventor	Michael E. Rivir	
				Art Unit	
				Examiner Name	
Sheet	7	of	11	Attorney Docket No.	4499 (C2)

			U.S. PATENT DOCL	JMENTS		
Examiner initials	Cite No.	DOCUMENT NUMBER  Number-Kind code <sup>2</sup> (if know	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, W Relevant Passages or Rel Figures Appear	
		US- 4,631,250	12-1986	Hayashi		
		US- 4,655,847	04-1987	Ichinoseki		
		US- 4,682,594	07-1987	Mok		
		US- 4,693,759	09-1987	Schlick		
		US- 4,707,951	11-1987	Gibot		
		US- 4,718,974	01-1988	Minaee		
		US- 4,731,125	03-1988	Carr		
		US- 4,737,628	04-1988	Lovoi		
			FOREIGN PATENT DO	CUMENTS		
Examiner initials	Cite No.	Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines,	
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind c (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
#500000X	***************************************	745000000000000000000000000000000000000				<del> </del> -
		20002000000000000000000000000000000000	950092000000000000000000000000000000000			
				50000000000000000000000000000000000000	• • -	
				20000000000000000000000000000000000000	0550000000	
				<u> </u>	20000000000000000000000000000000000000	
		OTHER PRIOR	ART _ NON PATENT I	ITERATURE DOCUMEN	TS	
Examiner initials No.  Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (bo magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city country where published						
STOOQUESTOOQ	257000000000000000000000000000000000000	000000				
		**************************************				
				50000350000500000000000000000000000000		├
					0003500003500005500005000055	

EXAMINER SIGNATURE	/David B. Thomas/	DATE CONSIDERED	01/18/2008	
	e considered, whether or not citation		609; Draw line through citation if n	iot in
conformance and not conside	rod Include convict this form with	novt communication to applicant		

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute f	or Form PT	O 1449			<del></del>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known		
				Application No.	10/811,788	
lusa	as many sh	aate se	necessar/l	Filing Date	March 29, 2004	
(436	(use as many sheets as necessary)	First Named Inventor	Michael E. Rivir			
				Art Unit		
	·			Examiner Name		
Sheet	8	of	.11	Attorney Docket No.	4499 (C2)	

			U.S	S. PATENT DOCU	MENTS		
Examiner initials	Cite No.	DOCUMENT NUMBER  Number-Kind code <sup>2</sup> (if known)		Publication Date Name of P		Pages, Columns, Lines, W Relevant Passages or Rele Figures Appear	/here evant
		US-	4,744,181	05-1988	Moore et al.		
		US-	4,756,765	07-1988	Woodraffe		
		US-	4.803,021	02-1989	Werth et al.		
		US-	4,836,858	06-1989	Reinhart		
		US-	4,837,794	07-1989	Riordan et al.		
		US-	4,843,770	07-1989	Crane		
		US-	4,867,796	09-1989	Asmus et al.		
		US-	4,871,559	10-1989	Dunn et al.		
			FORE	IGN PATENT DO	CUMENTS		
Examiner initials	Cite No.	Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> -Kind code <sup>5</sup> (if known)		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁰
250025000000	53500550055000550					¥ 11	
		***************************************	2200520022002200250025002500200200200200				
			000000000000000000000000000000000000000	0.0000000000000000000000000000000000000			
				***************************************	X50003300000000000000000000000000000000		
						04500000000000000000000000000000000000	
						2000000000	L
			OTHER PRIOR ART -	NON PATENT LI	TERATURE DOCUMEN	TS	
Examiner initials	Cite No.		clude name of the author (in CA magazine, journal, serial, symp	oosium, catalog, etc.), o			T⁵
\$986000000	000000000000000000000000000000000000000	30000000000000000000000000000000000000					
			999488869 <del>04795</del> 60044886699888669988888890999888899999999	80009450000950000945000045000095555000			
					00113510001135000011550000115500000155000011550001155000115500001155000011550000	OCCUPATION OF THE PROPERTY OF	

EVANUED OLOMATUDE	/David B. Thomas/	DATE CONCIDENCE	01/18/2008
EXAMINER SIGNATURE _		DATE CONSIDERED	
<b>EXAMINER:</b> Initial if refere	nce considered, whether or not citat	ion is in conformance with MPEP 609	e; Draw line through citation if not ir
conformance and not cons	idered. Include copy of this form wit	h next communication to applicant.	

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute fo	or Form PTO	1449		· · · · · · · · · · · · · · · · · · ·	
			CLOSURE PPLICANT	Complet	te if Known
				Application No.	10/811,788
luca	as many shee	ate ae	necessary	Filing Date	March 29, 2004
(use	as many snee	JIS OS	necessary)	First Named Inventor	Michael E. Rivir
				Art Unit	
				Examiner Name	
Sheet	9	of	11	Attorney Docket No.	4499 (C2)

			U.S. PATENT DOCU	MENTS		
Examiner initials	Cite No.	DOCUMENT NUMBER  Number-Kind code <sup>2</sup> (if know)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Wh Relevant Passages or Relev	
illiuais	140.	US- 4,910,942	03-1990	Dunn et al.	Figures Appear	
	ļ. — — — · ·	US- 4,947,592	08-1990	Lloyd, et al.		
	<u> </u>	US- 4,975,918	12-1990	Morton		
		US- 4,994,639	2-1991	Dickinson et al.	_	
		US- 5,013,366	05-1991	Jackson et al.	-	
		US- 5,018,667	05-1991			
	ļ		06-1991	Lloyd		
<del></del>	-			Engelsbert		
		US- 5,034,235	07-1991	Dunn et al		
		F	OREIGN PATENT DO	CUMENTS		
Examiner initials	Cite No.	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines,	
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind co (if known)	ode <sup>5</sup> Publication Date MM-DD-YYYY		Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
10050000000000000000000000000000000000	500X5000X5000X500					
		200000000000000000000000000000000000000				
		***************************************	September 2000 2000 2000 2000 2000 2000 2000 20			
			AND DESCRIPTION OF THE PROPERTY OF THE PROPERT	0.5500500000000000000000000000000000000		
				20000000000000000000000000000000000000		
					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
	•	OTHER PRIOR A	RT _ NON PATENT I	TERATURE DOCUMEN	TS	
Examiner	Cite					I
initials	No.		, symposium, catalog, etc.), o	of the article (when appropriate date, page(s), volume-issue nun vhere published		T <sup>6</sup>
\$10000000000	000000000000000000000000000000000000000	She boossanooosaanaanaanaanaanaanaanaanaanaanaanaanaan	•			
	<u> </u>		198000000000000000000000000000000000000	5860005560000550000055		
					43220004220004220004220004220004220004	-
						<u> </u>

	/David B. Thomas/		01/18/2008
EXAMINER SIGNATURE	/ David D. Triothad/	DATE CONSIDERED	
<b>EXAMINER:</b> Initial if reference	e considered, whether or not c	itation is in conformance with MPEP 60	9; Draw line through citation if not in
conformance and not conside	red. Include copy of this form	with next communication to applicant.	

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute	for Form PTO	1449			
		_	CLOSURE PPLICANT	Comple	te if Known
				Application No.	10/811,788
(use as many sheets as necessary)			necessary	Filing Date	March 29, 2004
			necessary)	First Named Inventor	Michael E. Rivir
				Art Unit	
				Examiner Name	
Sheet	10	of	11	Attorney Docket No.	4499 (C2)

<del></del>		U.S	S. PATENT DOCU	MENTS	- <del> </del>	
Examiner Cite No.		DOCUMENT NUMBER  Number-Kind code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Wh Relevant Passages or Rele Figures Appear	
		US- 5,044,129	09-1991	Olevitch		
		US- 5,050,805	09-1991	Lloyd et al.		
		US- 5,062,898	11-1991	McDermott et al.		
		US- 5,063,015	11-1991	Lloyd et al.		
		US- 5,065,630	11-1991	Hadcock et al.		
		US- 5,245,798	09-21-1993	Carpenter		
		US- 5,328,517	07-1994	Cates et al.		
		FORE	IGN PATENT DO	CUMENTS		
Examiner initials	Cite No.	Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> -Kind code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁵
58005500	870005500500050055	00)00(00,000,000,000,000,000,000,000,000				
			BOODSOORADGRADDRADOOSSOORADGRADDRADOOSSOORAGG	00000000000000000000000000000000000000		
	<del>                                     </del>				50000000000000000000000000000000000000	
		OTHER PRIOR ART -	NON PATENT I I	TERATURE DOCUMEN	TS	
Examiner initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published				T <sup>6</sup>
BOOKS	000000000000000000000000000000000000000	100 S000023000003000000000000000000000000				
		20000000000000000000000000000000000000	550005500095000950005500095000			
	-			00000000000000000000000000000000000000	OX.	

	/David B. Thomas/	(	01/18/2008
EXAMINER SIGNATURE		DATE CONSIDERED	
<b>EXAMINER:</b> Initial if reference	considered, whether or not citation	is in conformance with MPEP 609	; Draw line through citation if not in
conformance and not considere	ed. Include copy of this form with ne	ext communication to applicant.	

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute fo	or Form PTC	1449		· · · · · · · · · · · · · · · · · · ·	
		_	CLOSURE	Complet	te if Known
				Application No.	10/811,788
(use as many sheets as necessary)			necessanıl	Filing Date	March 29, 2004
			iecessary)	First Named Inventor	Michael E. Rivir
				Art Unit	
				Examiner Name	
Sheet	11	of	11	Attorney Docket No.	4499 (C2)

		U.S	S. PATENT DOCU	MENTS		
Examiner initials	Cite No.	DOCUMENT NUMBER  Number-Kind code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, W Relevant Passages or Rel Figures Appear	
		US- 5,354,384	10-1994	Sneed et al.		
		US- 5,618,177	04-08-1997	Abbot		
		US- 5,782,253	07-1998	Cates et al.		
22000590000	000000000000000000000000000000000000000	US-			_	
		000000000000000000000000000000000000000				
		US-	0) 00 00 00 00 00 00 00 00 00 00 00 00 0	20005500000500000		
		US-		20000000000000000000000000000000000000	7800 055200055000550005000055000550005500	
		US-			20000000000000000000000000000000000000	
		FORE	IGN PATENT DO	CUMENTS		
Examiner Cite initials No.	Cite No.	Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines,	
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
MINISTRACE .	92000550092000000					
		00000000000000000000000000000000000000			,	
			CONTROL DE			
				00000000000000000000000000000000000000		
				200000000000000000000000000000000000000	30000005500000000000550000000000000000	
					000000000000000000000000000000000000000	
		OTHER PRIOR ART -	NON PATENT LI	TERATURE DOCUMEN	TS	
Examiner initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published				
AND COLUMN	OCCUPATION OF THE PERSONS ASSESSED.	500/02/5000978/500078/500078/500078/500078/500078/500078/500078/500078/500078/500078/500078/500078/500078/5000				
		200000000000000000000000000000000000000	95009280098860098880098560098860098860098	9988800098000980009986999		
		+			3.892000481006818700888900889008855	

CinLibrary/1406311.1

	/David B. Thomas/		01/18/2008
<b>EXAMINER SIGNATURE</b> _	/David D. Hiomas/	DATE CONSIDERED	
<b>EXAMINER:</b> Initial if referer	nce considered, whether or not citation	on is in conformance with MPEP	609; Draw line through citation if not in
conformance and not consi	dered. Include copy of this form with	next communication to applicant	<b>.</b>

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.